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\* INDIANA SINCLAIR-TIMEX USERS GROUP NEWSLETTER \*  
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November 1986

Editor-Frank Davis

NEXT MEETING

There will be no December meeting due to the fast approach of the Holiday Season. To hold the meeting at our regular time would put us in conflict with Christmas. At this point let me take the time to wish all of you the best of Holiday Greetings and I look forward to seeing or hearing from all of you soon.

The meeting for January will still take place; even if we have some nasty weather, we can always re-schedule. It will be held in Indianapolis, but the exact location is unknown at this time. It will be both in the December issue of the newsletter and on the I.S.T.U.G. BBS soon, so you will have advance notice.

The next meeting will be largely devoted to teaching the fine art of telecommunicating. Those who have modems, but have not found out how to adequately use them, and those who are just contemplating getting one, will find this fascinating.

The meeting at Basil Wentworth's was very enjoyable. Those who did not attend will never know what they missed. We have many members who have never attended a meeting...we appreciate your support as a member, but would like even better to get to know you in person. Please come by at least once, or write me and make suggestions on what it would take to get you more active.

ERRATA!

In the October issue I included two programs for the Wafadrive by James Kerr...that is the only known error. What each of the programs does somehow got reversed. They both do what they are supposed to do, just each one was labeled wrong. Most of you who tried them may well have figured this out long before this copy reaches your hand.

QUARTERS by WMJ DATA SYSTEMS

For those who subscribe to Quarters, you will no doubt have gotten their most recent issue and found out that the next issue will be their last. For those who considered subscribing, don't. Bill Johnson, the publisher and editor has gotten so involved in his sales of software for other than TS computers that he doesn't have enough hours left in his schedule to also put out Quarters. He will still be handling software for the Timex/Sinclair line for as far as he can see into the future. For those, such as me who had our subscription expire with the current issue, this will work out. For others, let me know how you fare (I have been burnt so often; SYNTAX, TS USER, TIMEX SINCLAIR USER, SYNC, etc, that I get wary with each withdrawal from the market). Those wishing to buy his last issue, coming out the early part of January, should send \$2.50 by December 31st along with your name and address. The address is WMJ DATA SYSTEMS, 4 Butterfly Drive, Hauppauge, New York 11788.

MAGAZINES THAT STILL ARE TS SPECIFIC are TIME DESIGNS, TS HORIZONS, SYNCWARE NEWS, QZX, QUANTUM LEVELS, and the many good user group newsletters. Two magazines that lend us at least some support are CTM and COMPUTER SHOPPER. Let us support all of these so that we may have them in the future.

# SCREEN STORE PROGRAM FOR T52068

by Basil Wentworth

Here's a piece of a program that may interest some of your readers. It's designed to store the screen contents of the T5 2068.

The cute thing about the program is that it stores the machine code routine and the data together in one string (A\$). With this approach you don't have to mess around with RAMTOP, or separate M/C SAVES. What you do have to be careful about is that you DIMension A\$ the first thing, and that you do not reDIMension it. It's OK to change the contents of the string--in fact, that's what the program does. But the location of the string, which is established when it is DIMensioned, must remain as unmoved as the tree that's standing by the water.

Of course, you must not monkey around with the first 31 bytes of it, either.

This program should be SAVED as: SAVE "program" LINE 9910.

```

9900 DATA 197,225,1,35,0,9,235
9901 DATA 33,0,64,1,0,27,237,176,201
9902 DATA 197,225,1,19,0,9,1,0,27
9903 DATA 17,0,64,237,176,201
9910 CLEAR : DIM A$ (6950)
9915 RESTORE
9920 FOR F=1 TO 31
9925 READ A
9930 LET A$ (F)=CHR$ A
9935 NEXT F
9940 LET store=9960: LET recall=9980
9959 STOP
9960 REM Store
9970 RANDOMIZE USR (PEEK 23627+256*PEEK 23628+6):
RETURN
9980 REM Recall
9990 RANDOMIZE USR (PEEK 23627+256*PEEK 23628+22)
: RETURN
    
```

## Listing of the M/C sequence

```

197 PUSH BC      BC holds the USR number
225 POP HL       HL now holds it
  1 LD BC,35
  35
  0
  9 ADD HL,BC     HL holds the address of A$(35)
235 EX HL,DE     DE now holds it
  33 LD HL,16384  16384 is address of screen data
  0
  64
  1 LD BC,6912    There are 6912 bytes of screen
  0              data
  27
237 LDIR         Moves BC (number of) bytes from
176              address HL to address DE
201 RET
197 PUSH BC      BC holds USR number
225 POP HL       HL now holds it
  1 LD BC,19
  19
    
```

continued:

0  
 9 ADD HL, BC HL holds address of A\$ (35)  
 1 LD BC, 6912 . . .  
 0 . . .  
 27 AS ABOVE  
 17 LD DE, 16384 . . .  
 0 . . .  
 64  
 237 LDIR  
 176  
 201 RET

The first part is the store sequence, down to 201 and the last part contains the recall sequence. This program should come in very handy for those who take the time to use it.

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 # SOME FREE ADS #  
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(1) FROM CHUCK TAVEL, FOR SALE: ZX81-1000, 2040 printer, business software, books, A&J 1000, 2050 modem. Call 317-848-9772 and discuss price.

(2) FROM FRANK DAVIS, WANTED: a good used Rotronics Wafadrive, BYTE-BACK modem, TS 1500 for parts, TS1000 printer interface, copy of Cambell's Masterfile for Spectrum, Doomdark's Revenge, The Lords of the Rings. Write to me at 513 East Main St., Peru, In 46970, or call 317-473-4885 evenings before 10.

(3) ISTUG still has lots of Timex-Sinclair software for the TS1000 and ZX81, for members only at the price of one dollar a program picked up at meetings and slightly higher by mail. For titles send a SASE to Willie Jones at 10126 East 33rd, Indianapolis, In 46236.

(4) Send us your free non-commercial ad to the newsletter and either sell or find that hardware or software you are looking for. Send to ISTUG, 513 East Main St., Peru, In 46970.

(5) BUY your own copy of ISTUG's BBS program direct from the two people who brought it about, SYSOP Willie Jones and the "Mad Programmer" himself, Paul Holmgren. Check it out by calling it at 317-897-3903, or evenings at 219-256-5870 for Ralph McCrum's North Post. Then send \$16.00 to Willie Jones at 10126 E. 33rd, Indianapolis, In 46236.

# FUTURE HARDWARE PROJECT

by Carol Davis

Included in the next newsletter will be instructions for adding LED's and on/off switches to your 2050 modems and 2040 printers. (The light will show you when the hardware is on.) This is to give those who were not at the October meeting a chance to make the changes on their own. Anyone wanting these instructions immediately can send a SASE and include 25 cents for photo-copying to ISTUG, 513 E. Main St., Peru, In 46970.

We still need some more in the way of programs and tips for future issues. How about some business and engineering uses?



# TIMEX-SINCLAIR SUPPORTING BBS's

The following information on BBS's that either totally, or at least to some extent support the Sinclair and Timex-Sinclair computers was supplied by Pete Fischer of Tempe, AZ 85281, and Steve Ishii of Cerritos, CA 90701.

NAME	PH.NO.	PARAMETERS	HOURS	UP/DOWNLOADS
AVERAGE REMOTE	213-325-0213	8-1-N	24Hrs	yes
BILL'S OBSESSION	404-377-2550	8-1-N	90%	TS2068
COMPUSERVE	(Local No.)	7-1-0	24Hrs	yes
FWKUG (Texas)	817-540-4183	8-1-N	24Hrs	TS2068
ISTUG	317-898-3903	7-1-0	24Hrs	no
LOONEY BIN	619-390-9470	7-1-0	24Hrs	no
MCI MAIL	(TELENET)	8-1-N	24Hrs	no
NIGHT OWL	312-459-5721	8-1-N	24Hrs	yes
OMNI-NET	718-837-2881	8-1-N	24Hrs	no
OWEGO FREE ACAD.	607-754-3420	8-1-N	24Hrs	TS2068
SERIAL PORT	313-286-0145	8-1-0	24Hrs	TS2068
SOURCE	(TELENET)	7-1-0	24Hrs	no
STARTEXT	817-877-1041	8-1-N	24Hrs	TS2068
TIMEXCHANGE	213-329-3922	8-1-0	24Hrs	yes
TSU	216-327-1099	8-1-N	24Hrs	yes
VSYS T/S BBS	201-527-0535	7-1-N	*	no
ZEBRA SYSTEMS	718-625-6220	8-1-N	24Hrs	*

Additions sent in by others are:

MINI-BIN BBS	718-837-2881	*	*	yes
SOUTH CONNECTION	404-446-6269	*	*	yes
FUTURE ELECTRON.	813-522-0350	*	*	*
ZX FORUM BBS	305-439-5077	*	*	*
NORTPOST ISTUG	219-256-5870	7-1-0	Even.	no
TIME*WARP	617-755-0110	*	Even.	no
TOXIC DUMP BBS	609-890-6347	*	*	*

Let me know if you verify any others or have additional information on the ones given. By the way, the next meeting on January 24th at Paul Holmgren's (317-291-6002), we will have a lesson on how to use or improve using your modem for accessing BBS's, sending files or programs to friends, or sending electronic mail. See you there, at 1:30 P.M.

Frank Davis-Editor

I.S.T.U.G.  
513 EAST MAIN ST.  
PERU. IN 46970

